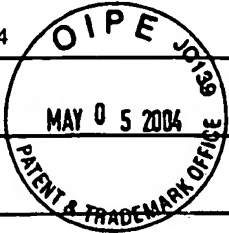


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. P23683		Serial No. 10/646,824						
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant Hiroshi NOMURA								
					Filing Date August 25, 2003		Group 2872						
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	YEAR	/0	DOCUMENT NUMBER					DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>[Signature]</i>	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA			
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<i>[Signature]</i>		6	1	1	5	1	9	0	09/05/00	HIRAI			
<i>[Signature]</i>		6	0	6	4	5	3	3	05/16/00	KENIN et al.			
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EXAMINER <i>[Signature]</i>										DATE CONSIDERED <i>9/15/04</i>			

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U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCUMENT NUMBER			DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	2002	/0	1	3	5	9	0	1	09/26/02	NOMURA et al.	
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	2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.	
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.	
		6	2	0	4	9	7	7	03/20/01	IWASA	
		5	4	3	0	5	1	6	07/04/95	UZHIE et al.	
	2003	/0	0	8	1	9	4	8	05/01/03	NOMURA et al.	
	2001	/0	0	1	9	4	5	8	09/06/01	NOMURA et al.	
		4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.	
		5	8	1	8	6	4	7	10/06/98	NISHIO et al.	
		5	7	3	1	9	1	3	03/24/98	IMANARI	
		5	7	3	9	9	6	2	04/14/98	ASAKURA et al.	
	2003	/0	1	5	6	8	3	2	08/21/03	NOMURA et al.	
		5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.	
		6	0	5	2	5	3	5	04/18/00	UNO	
		5	2	2	3	8	7	3	06/29/93	TSUBOI	
		5	0	8	6	3	1	2	02/04/92	TANAKA et al.	
		5	4	9	9	1	4	3	03/12/96	SAKAMOTO et al.	
	6	0	6	9	7	4	5	05/30/00	FUJII et al.		
	6	3	2	4	0	1	9	11/27/01	TAKANASHI et al.		
	5	4	8	5	3	1	5	01/16/96	NOMURA et al.		
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EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO			
		58	-	1	0	7	0	8	01/21/83	JAPAN					
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		2003	-	2	0	7	7	0	9	07/25/03	JAPAN				
			2	3	0	9	5	5	1	07/30/97	UNITED KINGDOM				
		2	3	4	4	6	6	2	06/14/00	UNITED KINGDOM					
		2	2	6	1	2	9	8	05/12/93	UNITED KINGDOM					
	2002	-	2	7	7	7	1	9	09/25/02	JAPAN					
	10	-	2	8	2	3	9	4	10/23/98	JAPAN					
	58	-	1	6	2	9	1	4	09/27/83	JAPAN					
		0	6	3	4	6	8	0	01/18/95	E.P.O.					
		10	-	3	2	7	4	0	02/03/98	JAPAN			X		
	7	-	2	8	8	7	2	4	10/31/95	JAPAN			X		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719.
	4	English Language Abstract of JP 10-282394.
	5	English Language Abstract of JP 58-162914.

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